

**Notice of Allowability**

Application No.

09/895,570

Examiner

Qing-Yuan Wu

Applicant(s)

PETRINI ET AL.

Art Unit

2194

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/4/05.
2. ☒ The allowed claim(s) is/are 1-5.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>8/4/05</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                             | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other _____  |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for the examiner's amendment was given in a telephone interview with Mr. Mark N. Fitzgerald, reg. No. 48,300 on October 14, 2005 to overcome the 37 CFR 1.121 (c)(2) issue on the amendment filed August 4, 2005.

In the claims:

I. In claim 1;

(i) line 8, replace "the" with --[[a]] the--

II. In claim 3;

(i) line 3, replace "the" with --[[a]] the--

(ii) lines 3-8, replace "downloading from each processor, at a command of each processor kernel at the beginning of the intervening strobe interval, accumulated control information communications ~~into the network for a total exchange~~ between all processors so that each processor is informed of the number and identity of incoming control" with --downloading from each processor, at [[the]] a command of each processor kernel at the beginning of [[a]] the intervening strobe interval, accumulated control information communications ~~into the network for a total exchange~~ between all processors so that each processor is informed of the number and identity of incoming control--

3. The following is an Examiner's Statement of Reasons for Allowance:

The prior art of record does not expressly teach or render obvious, in the context of the claims taken as a whole as recited in independent claim 1.

The reporting of the number of requests to a particular system on an interval basis was uncovered in U.S. Patent 6,173,306 (Raz et al.) and the communication between multi-processors via exchange of control information communication (processing data synchronously) was uncovered in U.S. Patent 5,600,843 (Kato et al.). The references taken alone or in combination does not expressly teach or render obvious, in the context of the claims taken as a whole, as recited in independent claim 1 the global exchange of control information communications at the end of the defined time interval during the intervening strobe interval so that each processor is informed by all of the other processors of a number of incoming control information communications to be received by each processor in a subsequent time interval.

Nor was a reference uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing the reporting of the number of requests to a particular system on an interval basis and the communication between multi-processors via exchange of control information communication (processing data synchronously) would have performed a global exchange of control information communications at the end of the defined time interval during the intervening strobe interval so that each processor is informed by all of the other processors of a number of incoming control information communications to be received by each processor in a subsequent time interval as recited in the context of the independent claim 1.

Art Unit: 2194

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Qing-Yuan Wu whose telephone number is (571) 272-3776. The examiner can normally be reached on 8:30am-5:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on (571) 272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Qing-Yuan Wu

Patent Examiner

Art Unit 2194

  
W. Thomson  
SPE-2194  
TC 2100